

**Amendment and Response**

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Serial No.: 10/579,090

Confirmation No.: 5257

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For: DNA SEQUENCE AND EXPRESSED RECOMBINANT GLYCOPROTEINS RELATED TO FELINE THYROTROPIN

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**Amendments to the Specification**

Please amend the title of the application as follows:

~~--DNA SEQUENCE AND EXPRESSED RECOMBINANT GLYCOPROTEINS  
RELATED TO FELINE THYROTROPIN--~~

Please replace the paragraph beginning at page 50, line 1, with the following amended paragraph.

--Cells were then washed with HBS and cells solubilized with 1N NaOH. Binding capacity and receptor affinity were then calculated by plotting a scatchard plot using PRISM software. See Figure 6b. Some preliminary binding studies were done and IC50 values calculated. The reported IC50 value for pituitary source bovine TSH on the human TSH receptor was  $3.6 \times 10^{-10}$  M and  $B_{\max}$   $1.4 \times 10^{-9}$  M. See Nguyen et al., Endocrinology, 143(2), 395 (2002). These results provide evidence for the structural similarity of the recombinant feline TSH to bovine TSH.--